

# Engineering Statement In Support of an

## Application for a Construction Permit

### WWIZ, Mercer, Pennsylvania

#### Channel 280A Channel Spacing Study

REFERENCE		DISPLAY DATES
41 13 10 N	CLASS = A	DATA 07-07-01
80 28 25 W	Current Spacings	SEARCH 08-09-01
----- Channel 280 - 103.9 MHz -----		

Call	Channel	Location	State	Azi	D-KM	R-FM	Margin
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<b>Community of Mercer</b>			<b>PA</b>	<b>87.7</b>	<b>19.63</b>		
Reference Coordinates:							
North Latitude: 41-13-36							
West Longitude: 80-14-23							
<b>WWIZ LIC 280A Mercer</b>			<b>PA</b>	<b>100.8</b>	<b>9.84</b>	<b>115.0</b>	<b>-105.16</b>
Of no concern:							
Instant facility							
<b>R--- DEL 280C1 Woodstock</b>			<b>ON</b>	<b>353.3</b>	<b>210.57</b>	<b>256.0</b>	<b>-45.43</b>
<b>ALLO ALL 280C1 Woodstock</b>			<b>ON</b>	<b>353.3</b>	<b>210.81</b>	<b>256.0</b>	<b>-45.19</b>
<b>R--- DEL 280C1 Woodstock</b>			<b>ON</b>	<b>353.3</b>	<b>210.81</b>	<b>256.0</b>	<b>-45.19</b>
Of concern:							
The proposed 40 dbu (50,10) contour does not cross the Canadian border.							
<b>WQAL LIC 281B Cleveland</b>			<b>OH</b>	<b>279.6</b>	<b>105.89</b>	<b>113.0</b>	<b>-7.11</b>
Of concern:							
Protection afforded under §73.215							
<b>WRTS LIC 279B Erie</b>			<b>PA</b>	<b>24.5</b>	<b>106.32</b>	<b>113.0</b>	<b>-6.68</b>
Of concern:							
Protection afforded under §73.215							
<b>WOGF LIC 282B East Liverpool</b>			<b>OH</b>	<b>189.4</b>	<b>66.36</b>	<b>69.0</b>	<b>-2.64</b>
<b>WOGF.C CP 282B East Liverpool</b>			<b>OH</b>	<b>189.4</b>	<b>66.36</b>	<b>69.0</b>	<b>-2.64</b>
<b>WOGF.A APP 282B East Liverpool</b>			<b>OH</b>	<b>189.4</b>	<b>66.36</b>	<b>69.0</b>	<b>-2.64</b>
Of concern:							
Protection afforded as maximum class B under §73.215							
<b>WLSW APP 280A Scottdale</b>			<b>PA</b>	<b>194.4</b>	<b>118.56</b>	<b>115.0</b>	<b>3.56</b>
Of note:							
Facility contingent with instant application							
<b>WNCD LIC 227B Youngstown</b>			<b>PA</b>	<b>223.6</b>	<b>21.28</b>	<b>15.0</b>	<b>6.28</b>
<b>R--- ADD 280A Ohsweken</b>			<b>ON</b>	<b>8.9</b>	<b>204.42</b>	<b>180.0</b>	<b>24.42</b>
<b>R--- DEL 280A Ohsweken</b>			<b>ON</b>	<b>8.0</b>	<b>207.23</b>	<b>180.0</b>	<b>27.23</b>
<b>WXXO LIC 283A Cambridge Springs</b>			<b>PA</b>	<b>25.7</b>	<b>59.55</b>	<b>31.0</b>	<b>28.55</b>
<b>RADD ADD 278B Burgettstown</b>			<b>PA</b>	<b>187.3</b>	<b>98.20</b>	<b>69.0</b>	<b>29.20</b>
<b>RDEL DEL 278B Steubenville</b>			<b>PA</b>	<b>187.3</b>	<b>98.20</b>	<b>69.0</b>	<b>29.20</b>
<b>WOGH LIC 278B Steubenville</b>			<b>PA</b>	<b>187.3</b>	<b>98.20</b>	<b>69.0</b>	<b>29.20</b>
<b>WCRFFM LIC 277B Cleveland</b>			<b>PA</b>	<b>274.9</b>	<b>99.59</b>	<b>69.0</b>	<b>30.59</b>
<b>WLMI LIC 280A Kane</b>			<b>PA</b>	<b>70.6</b>	<b>147.24</b>	<b>115.0</b>	<b>32.24</b>